

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	6	"6,737,789"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 14:31
S2	2	"6,890,300"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/26 12:16
S3	9	capacitive near membrane and void and ultrasound	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/26 12:36
S4	6	"6,737,789"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/26 12:37
S5	18	"2,702,318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 10:40
S6	2093	condenser near microphone	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/26 12:47
S7	163	condenser near microphone same membrane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/26 12:48
S8	8	condenser near microphone same flexible near membrane	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/26 12:53

## EAST Search History

S9	16	condenser near microphone and over near voltage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/26 13:17
S10	6	condenser near microphone and over adj voltage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/26 12:54
S11	3	("4699009"   "4873871"   "5700702"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/26 13:15
S12	4330834	condenser near microphone and field neart effect	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/26 13:18
S13	197	condenser near microphone and field near effect	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/26 13:18
S14	14	condenser near microphone and field near effect same protect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/26 15:53
S15	15	condenser near microphone and (fet mosfet) same protect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/26 14:28
S16	1	condenser near microphone and (fet mosfet) same protect\$3 and ultrasound	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/26 14:29
S17	7	condenser near microphone and (fet mosfet) and ultrasound	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/26 14:59

## EAST Search History

S18	11	09/482,119	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/26 14:59
S19	12	condenser near microphone and zener same protect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/26 16:03
S21	29	piezo near (element transducer sensor) and zener same protect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/26 16:04
S22	12	condenser near3 microphone and zener same protect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 10:25
S23	13	condenser near5 microphone and zener same protect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 10:25
S24	7	condenser near5 microphone same zener	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 10:28
S25	18	microphone near5 zener	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 10:28
S26	25	("20010032663"   "20010035723"   "4160234"   "4748366"   "5237239"   "5239518"   "5376857"   "5494468"   "5585546"   "5629678"   "5671746"   "5703474"   "5751091"   "5788453"   "5835996"   "5918502"   "5925972"   "5998910"   "6196932"   "6201336"   "6215733"   "6224493"   "6407484"   "6424079"   "6433465").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/27 10:34

## EAST Search History

S27	10	"3,408,571"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 10:41
S28	48	esd same ground near short\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 15:41
S29	6	over near voltage and ground near short\$3 same relay near contact	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 15:43
S30	32	over near voltage and ground near short\$3 same relay	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 15:43
S31	0	over near voltage and relay near ground near short\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 15:43
S32	3	over near voltage and relay near3 ground near short\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 15:45
S33	13	over near voltage and relay near5 ground near short\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 15:51
S34	447	microphone and short\$3 near ground samne	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 15:51

## EAST Search History

S35	20	microphone and short\$3 near ground same relay	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 16:37
S36	1	10/817,552	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 16:34
S37	0	esd and manufactur\$3 same short\$3 near ground same relay	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 16:37
S38	1	10/091,048	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/28 11:42
S39	2	10/091,948	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/28 14:03
S40	1	2004-766655	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/28 14:03
S41	1	10/817,552	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/21 13:44
S42	1	2004/0113524	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/21 13:45

## EAST Search History

S43	21	("20040085858"   "20040113524"   "20050121734"   "20050146240"   "20050200241"   "4879903"   "4882933"   "4904978"   "5060526"   "5062302"   "5231301"   "5355712"   "5461922"   "6038928"   "6074891"   "6084257"   "6140143"   "6316796"   "6465271"   "6639339"   "6945115"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/21 14:02
S44	3	"7,032,454"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/21 14:41
S46	16	"5,536,958"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/21 14:41
S47	1854	361/111.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 13:34
S48	720	361/91.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 14:28
S49	0	(capacitive near (detector sensor transducer) and (over adj voltage or over-voltage or overvoltage) near protect\$3).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 14:39
S50	0	(capacitive near3 (detector sensor transducer) and (over adj voltage or over-voltage or overvoltage) near3 protect\$3).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 14:39
S51	3	(capacitive with (detector sensor transducer) and (over adj voltage or over-voltage or overvoltage) with protect\$3).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/28 14:39

## EAST Search History

S52	93	(over adj voltage or overvoltage or over-voltage) with short with relay	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 12:24
S53	0	(over adj voltage or overvoltage or over-voltage) with short with relay with idle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 12:24
S54	0	(over adj voltage or overvoltage or over-voltage) with short with relay with (idle non adj active)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 12:25
S55	1	(over adj voltage or overvoltage or over-voltage) with short with relay with (non adj active or dormant or inactive)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 12:28
S56	1	(over adj voltage or overvoltage or over-voltage) with short with relay with (non adj active or dormant or inactive rest\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 12:30
S57	1	(over adj voltage or overvoltage or over-voltage) with short\$3 with relay with (non adj active or dormant or inactive rest\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 12:30
S58	8	(over adj voltage or overvoltage or over-voltage) same short\$3 with relay with (non adj active or dormant or inactive rest\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 12:31
S59	3	(over adj voltage or overvoltage or over-voltage) same short\$3 with relay with (non adj active or dormant or inactive or (rest or resting))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 12:34

## EAST Search History

S60	1	(over adj voltage or overvoltage or over-voltage) same relay near3 short\$3 with ( dormant or inactive or resting)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 12:35
S61	1	(over adj voltage or overvoltage or over-voltage) same relay near9 short\$3 with ( dormant or inactive or resting)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 12:35
S62	3	(over adj voltage or overvoltage or over-voltage) same relay near9 short\$3 same ( dormant or inactive or resting)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 12:36
S63	6	(over adj voltage or overvoltage or over-voltage) same relay near9 short\$3 same (dormant or inactive or resting or idle unused)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 12:37
S64	2	(over adj voltage or overvoltage or over-voltage) same relay near9 short\$3 with (dormant or inactive or resting or idle unused)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 12:38
S65	4	(over adj voltage or overvoltage or over-voltage) near9 short\$3 with (dormant or inactive or resting or idle unused)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 12:38
S66	1	esd with short\$3 with (idle unused inactive)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 12:41



## EAST Search History

S67	26	("20010024348"   "20040021997"   "4800303"   "5543650"   "5587857"   "5644454"   "5654574"   "5677205"   "5712747"   "5757590"   "5771571"   "5811857"   "5877534"   "5969523"   "5991134"   "6233127"   "6259573"   "6377411"   "6400534"   "6424505"   "6504424"   "6552879"   "6574078"   "6710983"   "6813122"   "6891702"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/10 13:37
S68	8	"6,891,702"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 14:07
S69	1	10/817,552	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 14:13
S70	1058	active adj clamp	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 14:13
S71	7	active adj clamp with battery	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 14:14
S72	262	clamp with battery with diode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 14:14
S73	45	clamp near3 battery near3 diode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 14:15

## EAST Search History

S74	32	clamp near2 battery near2 diode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 14:17
S75	10	clamp near2 voltage adj source near2 diode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 14:34
S76	1	clamp near2 voltage adj source near2 diode same (sensor detector)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 15:22
S77	11	"6,737,789"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 15:27
S78	0	ultrasounde near (sensor detector) with zener	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 15:27
S79	0	ultrasound near (sensor detector) with zener	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 15:28
S80	1	capacitive near (sensor detector) with zener	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 15:34
S81	0	capacitive near (sensor detector) near9 zener	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 15:30

## EAST Search History

S82	14	capacitive near (sensor detector) same zener	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 15:32
S83	2	piezo near (sensor detector) same zener	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 15:32
S84	0	ultrasound near (sensor detector) with zener	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 15:34
S85	0	ultrasound near (sensor detector probe) with zener	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 15:34
S86	0	ultrasound with (sensor detector probe) with zener	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 16:45
S87	4	"5,840,259"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 15:43
S88	3	"5,940,259"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 16:22
S89	2	"11024686"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 16:23

## EAST Search History

S90	1	"11/024,686"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 16:23
S91	3165	(sensor detector probe) with zener	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 16:46
S92	161	(sensor detector probe) near zener	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 16:46
S93	12	(sensor detector probe) near zener with limit\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 16:51
S94	0	ultrasound near (sensor detector probe) with zener	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 16:52
S95	3165	(sensor detector probe) with zener	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 16:52
S96	161	(sensor detector probe) near zener	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 16:52
S97	0	(sensor detector probe) near zener with voltage near limit\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 16:53

## EAST Search History

S98	67	(sensor detector probe) with zener with voltage near limit\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 17:26
S99	10	"4,589,970"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/10 17:26
S10 0	0	(over adj voltage or overvoltage or over-voltage) with transducer with connector with imag\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/11 10:06
S10 1	0	(over adj voltage or overvoltage or over-voltage) with connector with imag\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/11 10:07
S10 2	0	(over adj voltage or overvoltage or over-voltage) with connector with imaging	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/11 10:07
S10 3	0	(over adj voltage or overvoltage or over-voltage) with connector with imag\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/11 10:07
S10 4	0	(over adj voltage or overvoltage or over-voltage) with transducer with connector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/11 10:08
S10 5	7	(over adj voltage or overvoltage or over-voltage) same transducer with connector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/11 10:10

## EAST Search History

S10 6	510	(over adj voltage or overvoltage or over-voltage) with connector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/11 10:11
S10 7	0	(over adj voltage or overvoltage or over-voltage) with connector with imag\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/11 10:11
S10 8	48	(over adj voltage or overvoltage or over-voltage) near connector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/11 10:14
S10 9	0	(over adj voltage or overvoltage or over-voltage) near connector with (sensor detector)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/11 10:14
S11 0	12	(over adj voltage or overvoltage or over-voltage) with connector with (sensor detector)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/11 10:51
S11 1	2	"7,046,488"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/11 10:28
S11 2	48	(over adj voltage or overvoltage or over-voltage) near connector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/11 10:53
S11 3	0	(over adj voltage or overvoltage or over-voltage) near connector with video	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/11 10:53

## EAST Search History

S11 4	0	(over adj voltage or overvoltage or over-voltage) near connector same (imaging or video)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/11 10:53
S11 5	53	(over adj voltage or overvoltage or over-voltage) with signal with connector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/11 10:59
S11 6	4	(over adj voltage or overvoltage or over-voltage) near signal with connector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/11 10:56